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ATTY DOCKET NO. 98-99	SERIAL NO. 09/875,777	FILING DATE June 6, 2001
APPLICANT Denmark et al.		GROUP 1624

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## U.S. PATENT DOCUMENTS

TECH CENTER 1600/2900

Exmr. Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
SP	1	6,284,858	09/04/01	Fujiyama et al.	528	12	
	2	5,663,397	09/02/97	Yamashita et al.	556	464	
	3	5,362,896	11/08/94	Ozai et al.	556	464	
	4	5,331,077	07/19/94	Braun et al.	528	31	
	5	5,194,649	03/16/93	Okawa	556	451	
	6	5,171,792	12/15/92	Weber et al.	525	326.5	
	7	5,147,945	09/15/92	Woodside	525	475	
SP	8	4,985,565	01/15/91	Baney et al.	548	110	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No

## OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

SP	9	Ahmed, M. et al., "A Tripartite Asymmetric Allylboration - Silicon Tethered Alkene Ring Closing Metathesis - in situ Ring Opening Protocol for the Regiospecific Generation of Functionalized (E)-Disubstituted Homoallylic Alcohols" (March 1999) Tetrahedron 55:3219-3232	✓
	10	Barrett, A.G. M. et al., "Asymmetric Allylboration and Ring Closing Alkene Metathesis: A Novel Strategy for the Synthesis of Glycosphingolipids" (Published on Web September 13, 2000) J. Org. Chem. 65(20):6508-6514	✓
	11	Chang, S. and Grubbs, R. H., "A Simple Method To Polyhydroxylated Olefinic Molecules Using Ring-Closing Olefin Metathesis" (1997) Tetrahedron Lett. 38(27):4757-4760	✓
SP	12	Denmark, S.E. et al., "Convergence of Mechanistic Pathways in the Palladium (O)-Catalyzed Cross-Coupling of Alkenylsilacyclobutanes and Alkenylsilanols" (Published on Web July 13, 2000) Org. Lett. 2(16):2491-2494	✓

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SK	13	Denmark, S.E. and Choi, J.Y.J., "Highly Stereospecific, Cross-Coupling Reactions of Alkenylsilacyclobutanes" (June 1999) J. Am.Chem. Soc. 121(24):5821-5822
	14	Denmark, S.E. and Neuville, L., "Mild and General Cross-Coupling of ( $\alpha$ -Alkoxyvinyl)silanol and -silyl Hydrides" (Published on Web September 7, 2000) Org. Lett. 2(20):3221-3224
	15	Denmark, S.E. and Pan, W., "Intramolecular Hydrosilylation and Silicon-Assisted Cross-Coupling: An Efficient Route to Trisubstituted Homoallylic Alcohols" (Published on Web December 14, 2000) Org. Lett. 3(1):61-64
	16	Denmark, S.E. and Wang, Z., "Cross-coupling of vinylpolysiloxanes with aryl iodides" (April 2001) J. Organometall. Chem. 624:372-375
	17	Denmark, S.E. and Wang, Z., "1-Methyl-1-vinyl- and 1-Methyl-1-(prop-2-enyl)silacyclobutane: Reagents for Palladium-catalyzed Cross-Coupling Reactions of Aryl Halides" (July 2000) Synthesis 7:999-1003
	18	Denmark, S.E. and Wang, Z., "Highly Stereoselective Hydrocarbation of Terminal Alkynes via Pt-Catalyzed Hydrosilylation/Pd-Catalyzed Cross-Coupling Reactions" (Published on Web March 10, 2001) Org. Lett. 3(7):1073-1076
	19	Denmark, S.E. and Wehrli, D., "Highly Stereospecific, Palladium-Catalyzed Cross-Coupling of Alkenylsilanol" (Published on Web February 1, 2000) Org. Lett. 2(4):565-568
	20	Denmark, S.E. and Wu, Z., "Synthesis of Unsymmetrical Biaryls from Arylsilacyclobutanes" (Published on Web September 30, 1999) Org. Lett. 1(9):1495-1498
	21	Denmark, S.E. and Yang, S.M., "Sequential Ring-Closing Metathesis and Silicon-Assisted Cross-Coupling Reactions: Stereocontrolled Synthesis of Highly Substituted Unsaturated Alcohols" (Published on Web May 9, 2001) Org. Lett. 3(11):1749-1752
	22	Hatanaka, Y. and Hiyama, T., "Alkenylfluorosilanes as Widely Applicable Substrates for the Palladium-Catalyzed Coupling of Alkenylsilane/F Reagents with Alkenyl Iodides" (1989) J. Org. Chem. 54:268-270
	23	Hatanaka, Y. and Hiyama, T., "Cross-Coupling of Organosilanes with Organic Halides Mediated by Palladium Catalyst and Tris (diethylamino) sulfonium Difluorotrimethylsilicate" (1988) J. Org. Chem. 53:918-920
SK	24	Hatanaka, Y. and Hiyama, T., "Highly Selective Cross-Coupling Reactions of Organosilicon Compounds Mediated by Fluoride Ion and a Palladium Catalyst" (1991) Synlett p. 845-853

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5/19	25	Hantanaka, Y. et al., "A One-Pot Synthesis Of Conjugated Dienynes By Palladium-Mediated Three Component Cross-Coupling Reaction" (1989) Tetrahedron Letters 30(18):2403-2406
	26	Hirabayashi, K. et al., "A Facile Preparation and Cyclopropanation of 1-Alkenylsilanols"(1998) Bull. Chem. Soc. Jpn. 71(10):2409-2417
	27	Hirabayashi, K. et al., "A New Transformation of Silanols, Palladium-catalyzed Cross-Coupling with Organic Halides in the Presence of Silver(I) Oxide " (July 1999) Org. Lett. 1(2):299-301
	28	Hiyama, T. "Organosilicon Compounds in Cross-coupling Reactions " (1998) Metal-Catalyzed, Cross-Coupling Reactions: Diederich, F. et al. (eds.), Wiley-VCH: Weinheim Chapter 10.
	29	Hiyama, T. and Hatanka, Y. "Palladium-catalyzed cross-coupling reaction of organometalloids through activation with fluoride ion" (1994) Pure Appl. Chem. 66(7):1471-1478
	30	Kirkland, T.A. and Grubbs, R. H., "Effects of Olefin Substitution on the Ring-Closing Metathesis of Dienes" (1997) J. Org. Chem. 62(21):7310-7318
	31	Mowery, M.E. and DeShong, P. "Cross-Coupling Reactions of Hypervalent Siloxane Derivatives: An Alternative to Stille and Suzuki Couplings" (Published on web March 5, 1999) J. Org. Chem 64(5):1684-1688
5/19	32	Tamao, K., "Palladium-Catalyzed Cross-Coupling Reactions of Alkenylalkoxysilanes with Aryl and Alkenyl Halides in the Presence of a Fluoride Ion" (1989) 30(44):6051-6054

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.